

HISTORIC AMERICAN ENGINEERING RECORD

HAER  
WASH,  
33-FORD.V,  
4-A-

Index to Photographs

Long Lake Hydroelectric Plant, Spillway Dam  
Spanning the Spokane River  
Ford Vicinity  
Stevens and Lincoln counties  
Washington

HAER No. WA-33-A

NOTE: Photographs were taken by Harvey S. Rice, photographer, April 1992

- |           |  |
|-----------|--|
| WA-33-A-1 | CONTEXTUAL VIEW OF THE SPILLWAY DAM, CONTROL GATES, AND LONG LAKE RESERVOIR, LOOKING SOUTHWEST   |
| WA-33-A-2 | CONTEXTUAL VIEW OF THE LONG LAKE RESERVOIR, STEEL TRUSS WALKWAY BRIDGE, AND SPILLWAY DAM, LOOKING NORTH  |
| WA-33-A-3 | DETAIL VIEW OF OPERATING HOUSE NO. 3 FOR SPILLWAY GATES 5 AND 6, WITH CONTROL GATES IN BACKGROUND, LOOKING SOUTHWEST   |
| WA-33-A-4 | DETAIL VIEW OF OPERATING HOUSE NO. 3 FOR CONTROL GATES 5 AND 6, SHOWING EXTERIOR HOIST MOTOR AND TOP OF CONTROL GATES, LOOKING SOUTHWEST   |
| WA-33-A-5 | EXTERIOR VIEW OF THE RACK AND PINION HOISTING MECHANISM FOR NO. 2 CONTROL GATE, IN FOREGROUND, WITH COPING AND CORNICE OF OPERATING HOUSE NO. 1 VISIBLE IN BACKGROUND, LOOKING EAST  |
| WA-33-A-6 | VIEW OF DRIFT SHAFT, HOIST MOTOR, WORM WHEEL GEAR ASSEMBLY, CROSS SHAFT, AND INTERMEDIATE GEAR HOIST ASSEMBLY FOR CONTROL GATE NO. 6, LOOKING WEST   |
| WA-33-A-7 | DETAIL VIEW OF RACK SECTION AND DRIVE PINION HOISTING ASSEMBLY EXTENDING THROUGH THE WEST WALL OF OPERATING HOUSE NO. 2 FOR CONTROL GATE NO. 4, LOOKING EAST   |
| WA-33-A-8 | INTERIOR VIEW OF OPERATING HOUSE NO. 1, SHOWING ORIGINAL 20 HP WEST HOIST MOTOR, NO. 2 CONTROL GATE HAND BRAKE IN FOREGROUND, BANK OF ELECTRICAL CONTROL PANELS, AND WORM WHEEL GEAR ASSEMBLY (RIGHT FOREGROUND), LOOKING EAST |
| WA-33-A-9 | INTERIOR VIEW OF OPERATING HOUSE NO. 1, SHOWING DETAIL OF ELECTRICAL CONTROL PANELS, WORM WHEEL GEAR ASSEMBLY, AND NO. 1 CONTROL GATE HAND BRAKE, LOOKING WEST   |

Long Lake Hydroelectric Plant, Spillway Dam  
HAER No. WA-33-A  
Index to Photographs  
(Page 2)

- WA-33-A-10            INTERIOR VIEW OF OPERATING HOUSE NO. 4, SHOWING ORIGINAL 20 HP WEST HOIST MOTOR (RIGHT FOREGROUND), WORM WHEEL GEAR ASSEMBLY, AND MOTOR GEAR, LOOKING EAST
- WA-33-A-11            INTERIOR VIEW OF OPERATING HOUSE NO. 4, SHOWING WORM WHEEL GEAR ASSEMBLY, ORIGINAL 20 HP EAST HOIST MOTOR, AND CONTROL GATES 7 AND 8 HAND BRAKES, WITH MOTOR SELECTOR SWITCH, MOTOR STARTING SWITCH, AND OIL CIRCUIT BREAKER IN BACKGROUND

The following is a photocopy of a photograph. Original photograph is in the Archives of the Washington Water Power Company, Spokane, Washington. Photographer is unknown.

- WA-33-A-12            SPILLWAY DAM AND OPERATING HOUSES IN 1923

The following is a photocopies of drawings, courtesy of the Washington Water Power Company, Spokane, Washington.

- WA-33-A-13            1930 GATE INSTALLATION DETAILS OF CONTROL GATES 7 AND 8
- WA-33-A-14            1949 DRAWING OF CONTROL GATES 3, 4, 5, AND 6, SHOWING GATE EXTENSION DETAILS
- WA-33-A-15            PLANS OF THE 1918 INSTALLATION OF OPERATING HOUSES 2 AND 3 FOR CONTROL GATES 3, 4, 5, AND 6
- WA-33-A-16            PLANS SHOWING THE GENERAL ARRANGEMENT OF GATE OPERATING MECHANISMS